



**County of San Diego  
Planning & Development Services  
BUILDING DIVISION**

ACCESSIBILITY CORRECTION LIST Multifamily Housing	<b>4A</b>
<b>Pedestrian Ramps</b>	

PLAN CHECK #:	OWNER ON APPLICATION:
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**GENERAL REQUIREMENTS**

- An accessible route with running slope exceeding 1:20 (5% gradient) requires an accessible pedestrian ramp.  
**Exception:** Curb ramps per accessibility correction list 3A  
*CBC 1111A.2*

**WIDTH**

- Provide complete dimensions and coordinated detailing for each pedestrian ramp.  
*CBC 1114A and CBC 1122A*
- Dimension minimum 48-inch clear width at pedestrian ramps with no protrusion by handrails, curbs, or guide rails.  
**Exception:** Minimum 60-inch clear width required at ramps serving as only exit discharge path for occupant load of 300 or greater  
**Exception:** Minimum 36-inch clear width allowed at ramps serving covered multifamily dwellings with occupant load of 10 or fewer  
*CBC 1114A.1 and 1122A.1*

**SLOPES**

- Specify running slope for each pedestrian ramp run.  
*CBC 1114A.2 and CBC 1122A.2*
- Specify and dimension the following to verify slope(s) indicated per item 4 do not exceed 1:12 (8.3% gradient) for each pedestrian ramp run:
  - Elevations at top and bottom ramp landings
  - Length of ramp run**Exception:** Alternate slopes allowed at ramps serving dwelling unit decks, patios, or balconies per accessibility correction list 15A  
*CBC 1114A.2 and CBC 1122A.2*
- Specify maximum 1:48 cross slope (2.1% gradient) for each pedestrian ramp run and landing.  
*CBC 1114A.2.1 and CBC 1122A.2.1*

**SURFACE MATERIAL**

- Specify continuous common surface material complying with the following for each pedestrian ramp run and landing:
  - Surface with slope less than 6% gradient shall have slip resistance equivalent to medium salted finish
  - Surface with slope 6% gradient or greater shall be slip-resistant  
*CBC 1113A.1.2*
- Specify means of preventing accumulation of water on exterior pedestrian ramp runs, approaches, and landings.  
*CBC 1114A.3*

**LANDING DIMENSIONS AND CONFIGURATION**

- Dimension level top landing complying with the following per CBC Figure 11A-6C(a), CBC Figure 11A-6C(b), or CBC Figure 11A-6D(a):
  - Minimum 60-inch length
  - Minimum 60-inch width  
*CBC 1114A.4.2 and CBC 1122A.3.2*
- Dimension level bottom landing complying with the following per CBC Figure 11A-6C(a), CBC Figure 11A-6C(b), or CBC Figure 11A-6D(a):
  - Minimum 72-inch length
  - Width equivalent to ramp width  
*CBC 1114A.4 and CBC 1122A.3*
- Provide intermediate landing(s) if elevations specified per item 5 indicate vertical rise of any pedestrian ramp run exceeds 30 inches.  
*CBC 1114A.4.1 and CBC 1122A.3.1*
- Provide intermediate landing at any changes of direction on pedestrian ramps.  
*CBC 1114A.4.1 and CBC 1122A.3.1*
- Where intermediate landings(s) are required per item 11 or 12, dimension landings complying with the following per CBC Figure 11A-6C(a), CBC Figure 11A-6C(b), or CBC Figure 11A-6D(a):
  - Minimum 72-inch length with change of direction exceeding 30 degrees
  - Minimum 60-inch length for other intermediate landings
  - Minimum 60-inch width with any change of direction if ramp serving as means of egress
  - Width equivalent to ramp width for other intermediate landings
  - Intermediate landings placed at intervals such that no ramp run exceeds 30-inch vertical rise  
*CBC 1010.6.4, CBC 1114A.4, and CBC 1122A.3*
- Dimension door/gate swings complying with the following per CBC Figure 11A-6D(b):
  - Doors/gates in any position shall not reduce the minimum landing dimension to less than 42 inches
  - Doors/gates in fully open position shall not reduce the required landing width by more than 3 inches when fully open  
*CBC 1114A.4.4 and CBC 1122A.3.4*
- Dimension pedestrian ramp landings complying with the following at doors and gates per CBC Figure 11A-6D(b):
  - Landing extending 24 inches past strike edge of doors or gates at exterior pedestrian ramps
  - Landing extending 18 inches past strike edge of doors or gates at interior pedestrian ramps  
*CBC 1114A.4.5 and CBC 1122A.3.5*

**THIS DOCUMENT IS FOR PLAN REVIEW ONLY.  
CORRECTION LIST ITEMS MAY NOT BE REPRODUCED OR COPIED ON PLANS.  
PROVIDE COMPLETE DETAILS, DIMENSIONS, AND NOTES TO SATISFY CORRECTION ITEMS.**

**EDGE PROTECTION**

- 16. At pedestrian ramp runs not bounded by a wall or fence and exceeding 10 feet in length, detail one of the following per CBC Figure 11A-5A(b) or CBC Figure 11A-5A(c):
  - Guide curb minimum 2-inches in height above ramp surface
  - Wheel guide rail centered minimum 2-inches and maximum 4-inches above ramp surface

*CBC 1114A.7 and CBC 1122A.6*
  
- 17. At pedestrian ramp landings not bounded by a wall or fence and with an adjacent vertical drop exceeding 4 inches, detail one of the following:
  - Guide curb minimum 2-inches in height above ramp surface
  - Wheel guide rail centered minimum 2-inches and maximum 4-inches above ramp surface

*CBC 1114A.7 and CBC 1122A.6*
  
- 18. At pedestrian ramp runs or landings with an adjacent vertical drop exceeding 30 inches, detail continuous guard minimum 42-inches high with openings not allowing passage of 4 3/8-inch-diameter sphere.
 

**Exception:** Openings not allowing passage of 4 3/8-inch-diameter sphere allowed in portions of guard 36 inches to 42 inches high

*CBC 1013.2, CBC 1013.3, CBC 1114A.5, and CBC 1122A.4*
  
- 19. At pedestrian ramp runs or landings serving as means of egress, detail additional edge protection per one of the following:
  - Minimum 4-inch-high curb
  - Rail or barrier preventing passage of 4-inch-diameter sphere where any portion of sphere within 4 inches of ramp surface
  - Ramp/landing surface extending minimum 12 inches beyond inside face of complying handrail

**Exception:** Edge protection not required on sides of ramp landings serving adjoining ramp run or stairway

**Exception:** Edge protection not required on sides of ramp landings with adjacent vertical drop-off not exceeding 1/2 inch with 10 inches horizontally

*CBC 1010.9*

**HANDRAILS AND EXTENSIONS**

- 20. Provide continuous handrail on each side of each pedestrian ramp.
 

**Exception:** Handrail acceptable on only one side of ramp serving an individual dwelling unit provided ramp open on any side includes handrail on that side

**Exception:** Handrails not required at pedestrian ramps with less than 6-inch rise or 72-inch length serving exterior door landings

*CBC 1114A.6.1 and CBC 1122A.5.1*
  
- 21. Dimension top of handrail gripping surface at minimum 34 inches and maximum 38 inches above pedestrian ramp surface per CBC Figure 11A-5A(b) and CBC Figure 11A-5A(c).
 

*CBC 1114A.6.2.1 and CBC 1122A.5.2.1*
  
- 22. Detail extensions for each handrail complying with the following per CBC Figure 11A-5A(b):
  - Extending minimum 12 inches horizontally beyond the top and bottom of each pedestrian ramp run
  - Extending in direction of each ramp run
  - Ends returning smoothly to floor, wall, or post

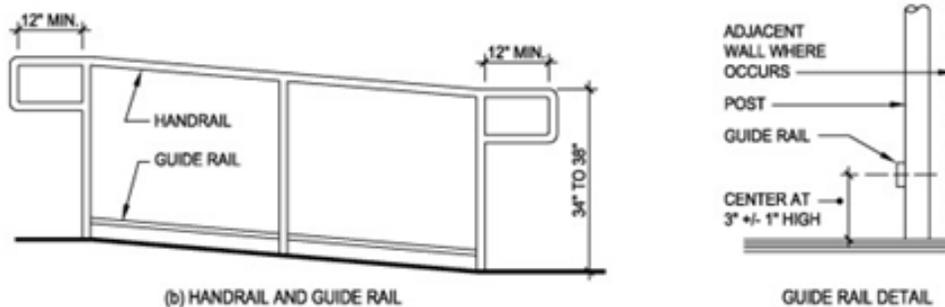
*CBC 1012.6, CBC 1114A.6.2.3, and CBC 1122A.5.2.3*
  
- 23. Detail handrail gripping surfaces complying with the following per CBC Figure 11A-6B(a):
  - Minimum 1 1/4 inches and maximum 2 inches in cross-sectional dimension or shape providing equivalent gripping surface
  - Smooth with no sharp corners
  - Edges with minimum 1/8-inch radius
  - No handrail rotation within fittings

*CBC 1114A.6.2.5 and CBC 1122A.5.2.5*
  
- 24. For handrails projecting from walls, detail 1 1/2-inch (absolute) space between wall and handrail per CBC Figure 11B-6B(a).
 

*CBC 1114A.6.2.4 and CBC 1122A.5.2.4*
  
- 25. For handrails located in recesses, detail recess complying with the following per CBC Figure 11A-6B(b):
  - Maximum 3-inches deep
  - Extending minimum 18 inches above top of handrail

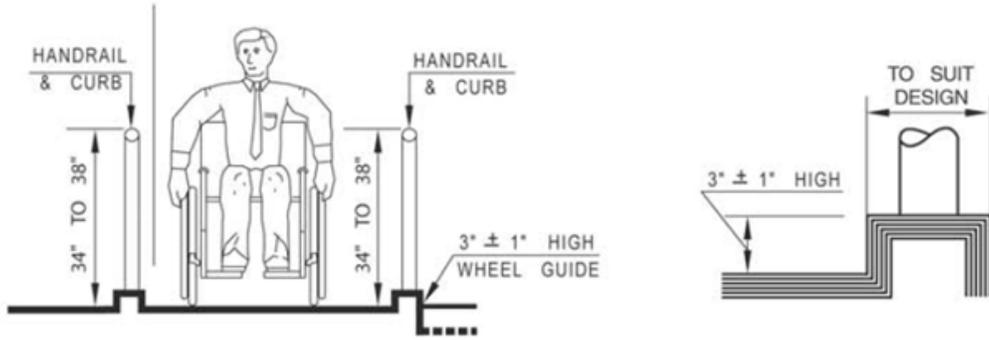
*CBC 1114A.6.2.4 and CBC 1122A.5.2.4*
  
- 26. Specify surface material of any walls or other surface adjacent to handrails shall be free of sharp or abrasive elements
 

*CBC 1114A.6.2.4 and CBC 1122A.5.2.4*

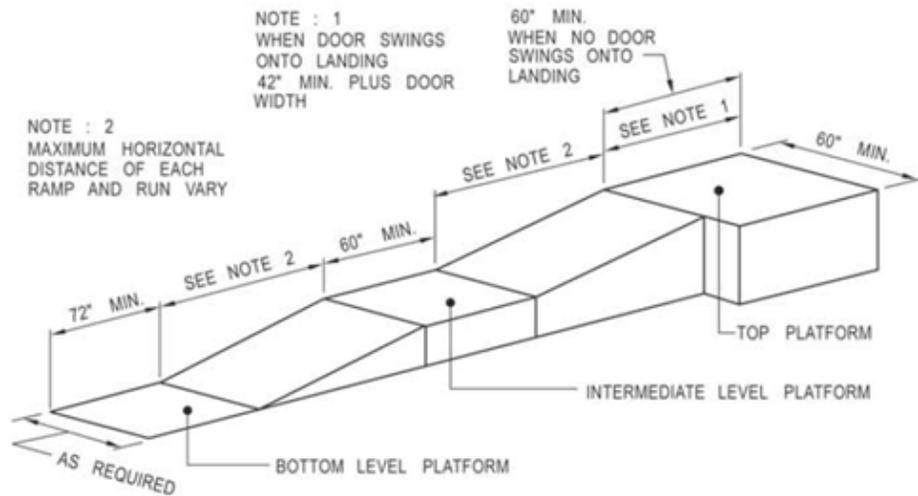
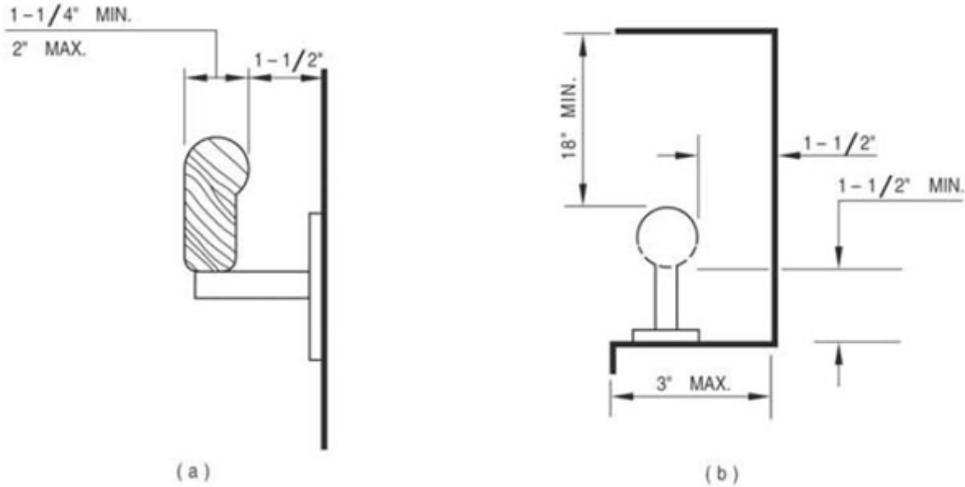


**CBC FIGURE 11A-5A(b) – PEDESTRIAN RAMP HANDRAIL, EXTENSION, AND GUIDE RAIL**

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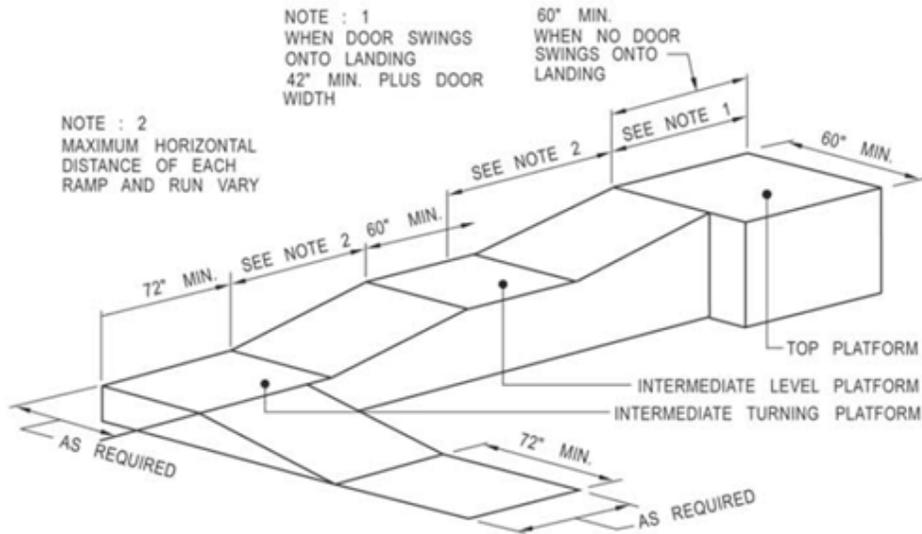


CBC FIGURE 11A-5(c) – PEDESTRIAN RAMP HANDRAIL AND GUIDE CURB

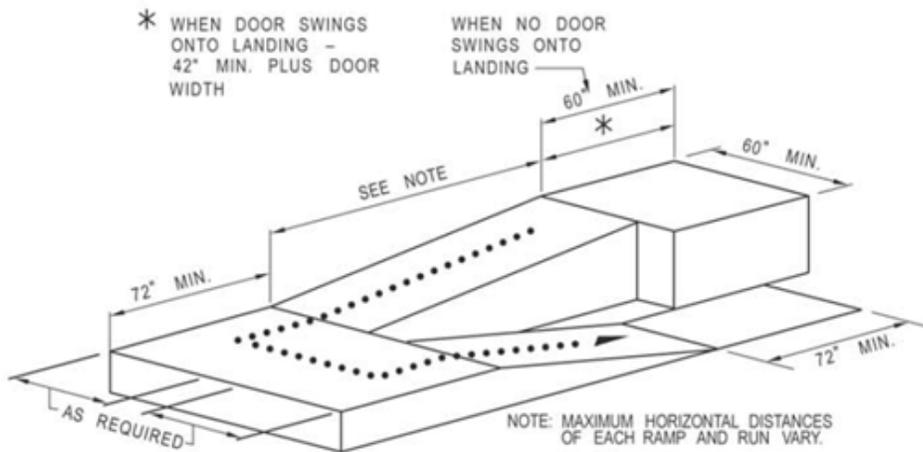


CBC FIGURE 11A-6C(a) – STRAIGHT-RUN PEDESTRIAN RAMP

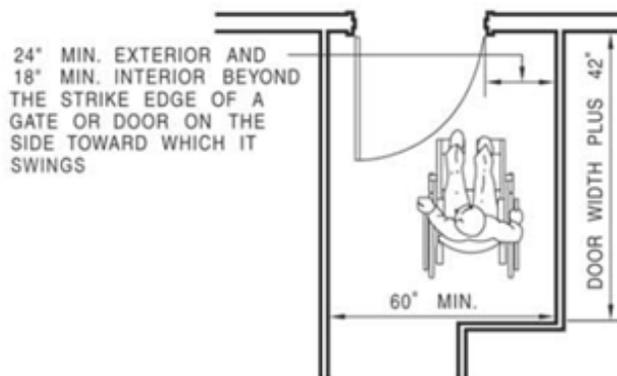
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CBC FIGURE 11A-6C(b) – DOGLEG PEDESTRIAN RAMP



CBC FIGURE 11A-6D(a) – SWITCHBACK PEDESTRIAN RAMP



CBC FIGURE 11A-6D(b) – PEDESTRIAN RAMP LANDING AT DOOR

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